

Keystone Assessment Anchors: Module 2

ASSESSMENT ANCHOR: A1.2.1 Functions

A1.2.1.1 Analyze and/or use patterns or relations.

A1.2.1.1.1 Analyze a set of data for the existence of a pattern and represent the pattern algebraically and/or graphically.

A1.2.1.1.2 Determine whether a relation is a function, given a set of points or a graph.

A1.2.1.1.3 Identify the domain or range of a relation (may be presented as ordered pairs, a graph, or a table).

A1.2.1.2 Interpret and/or use linear functions and their equations, graphs, or tables.

A1.2.1.2.1 Create, interpret, and/or use the equation, graph, or table of a linear function.

A1.2.1.2.2 Translate from one representation of a linear function to another (i.e., graph, table, and equation).

ASSESSMENT ANCHOR: A1.2.2 Coordinate Geometry

A1.2.2.1 Describe, compute, and/or use the rate of change (slope) of a line.

A1.2.2.1.1 Identify, describe, and/or use constant rates of change.

A1.2.2.1.2 Apply the concept of linear rate of change (slope) to solve problems.

A1.2.2.1.3 Write or identify a linear equation when given

- the graph of the line,
- two points on the line, or
- the slope and a point on the line.

Note: Linear equation may be in point-slope, standard, and/or slope-intercept form.

A1.2.2.1.4 Determine the slope and/or y -intercept represented by a linear equation or graph.

A1.2.2.2 Analyze and/or interpret data on a scatter plot.

A1.2.2.2.1 Draw, identify, find, and/or write an equation for a line of best fit for a scatter plot.

ASSESSMENT ANCHOR: A1.2.3 Data Analysis

A1.2.3.1 Use measures of dispersion to describe a set of data.

A1.2.3.1.1 Calculate and/or interpret the range, quartiles, and interquartile range of data.

A1.2.3.2 Use data displays in problem-solving settings and/or to make predictions.

A1.2.3.2.1 Estimate or calculate to make predictions based on a circle, line, bar graph, measure of central tendency, or other representation.

A1.2.3.2.2 Analyze data, make predictions, and/or answer questions based on displayed data (box-and-whisker plots, stem-and-leaf plots, scatter plots, measures of central tendency, or other representations).

A1.2.3.2.3 Make predictions using the equations or graphs of best-fit lines of scatter plots.

A1.2.3.3 Apply probability to practical situations.

A1.2.3.3.1 Find probabilities for compound events (e.g., find probability of red and blue, find probability of red or blue) and represent as a fraction, decimal, or percent.